

AD-A045 128

NAVAL MEDICAL RESEARCH INST BETHESDA MD
SUMMARIES OF RESEARCH 1976.(U)
1976

F/6 6/5

UNCLASSIFIED

NL

| OF |
AD
A045128



UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

AD A 045128

AD No.

DDC FILE COPY

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) SUMMARIES OF RESEARCH 1976		5. TYPE OF REPORT & PERIOD COVERED Annual report, 1976
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Medical Research Institute Bethesda, Maryland 20014		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Naval Medical Research & Development Command Bethesda, Maryland 20014		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) Bureau of Medicine & Surgery Department of the Navy Washington, D.C. 20372		12. REPORT DATE 11/1976
		13. NUMBER OF PAGES 23
		15. SECURITY CLASS. (of this report) UNCLASSIFIED
16. DISTRIBUTION STATEMENT (of this Report) APPROVED FOR PUBLIC RELEASE AND SALE. DISTRIBUTION IS UNLIMITED		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Medical research Bibliography		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The report is composed of citation to publications emanating from the Naval Medical Research Institute during the calendar year 1976.		

DD FORM 1 JAN 73 1473

EDITION OF 1 NOV 65 IS OBSOLETE
S/N 0102-014-6601

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

82101070A

SUMMARIES OF RESEARCH

1976

NAVAL MEDICAL RESEARCH INSTITUTE
BETHESDA, MARYLAND 20014



NAVAL MEDICAL RESEARCH
AND DEVELOPMENT COMMAND
BETHESDA, MARYLAND 20014

SUMMARIES OF RESEARCH

1976

Technical Reference Library
Naval Medical Research Institute
National Naval Medical Center
Bethesda, Maryland 20014

FOREWARD

Among the facilities maintained by the U.S. Navy for medical research, the Naval Medical Research Institute (NMRI) is one of the most extensive. It serves as a source of information to the Navy on many phases of biology and medicine as applied to naval service conditions. However, the work done at NMRI is not limited to projects having immediate application to naval operations: it is also firmly rooted in general basic science.

This Summaries of Research is composed of citations to publications emanating from the Naval Medical Research Institute during the calendar year 1976. Although the majority of these publications are available in the open literature, copies may also be obtained from the following sources:

- from the Defense Documentation Center, Alexandria, Virginia, by the AD number included with the citation (DDC publications are available to government agencies and their contractors, sub-contractors, or grantees)
- from the National Technical Information Service, Springfield, Virginia, also by AD number (NTIS publications are available to the general public for a fee)
- directly from NMRI, in care of the senior author

ON <input checked="" type="checkbox"/>	
1. 50.100 <input type="checkbox"/>	
<input type="checkbox"/>	
SECURITY CODES	
SPECIAL	
A	

TABLE OF CONTENTS

Citations	1
Author Index	12
Title Index	14
Work Unit Index	20
Additions and Changes	23

1. Ackerman, M.J. and J.W. Spencer. "Brain stimulation in rats exposed to hyperbaric environments." Undersea Biomedical Research 3(4): 369-378, 1976.
MR041.01.0148 Report No. 1. AD A037 271
2. Ahmed, A., I. Scher, and K.W. Sell. "Functional studies of the ontogeny of the M-locus product: a surface antigen of murine B lymphocytes." In Leukocyte Membrane Determinants Regulating Immune Reactivity. New York, Academic Press, 1976. pp. 703-709.
MF51.524.013.1001 Report No. 5. AD A028 691
3. Ahmed, A. and I. Scher. "Studies on non-H-2-linked lymphocyte-activating determinants. II. Nonexpression of Mls determinants in a mouse strain with an X-linked B lymphocyte immune defect." Journal of Immunology 117(5,Pt.2):1922-1926, 1976.
MR041.02.01.0020 Report No. 9. AD A034 837
4. Ahmed, A., I. Scher, A. Smith, W.E. Paul, and K.W. Sell. "Studies on non-H-2 linked lymphocyte activating determinants. III. Influence of the X-chromosome and correlation of the density of surface Ig with the appearance of the Mls product." Folia Biologica 22(6):423-426, 1976.
MF51.524.013.1004 Report No. 6. AD A038 712
5. Andersen, M.E., R.E. Koppenhaver, and L.J. Jenkins, Jr. "Some neurotoxic properties of triethylene glycol dinitrate: a comparison with decamethonium." Toxicology and Applied Pharmacology 36:585-594, 1976.
MF51.524.023.4003 Report No. 2.
6. Andersen, M.E., R.A. Jones, L. Kurlansik, R.G. Mehl and L.J. Jenkins, Jr. "Sulfolane-induced convulsions in rodents." Research Communications in Chemical Pathology and Pharmacology 15(3):571-580, 1976.
MF51.524.023.4006 Report No. 1. AD A034 296
7. Andersen, M.E., R.E. Koppenhaver, and L.J. Jenkins, Jr. "Toxicology of nitrate ester torpedo propellants. Neurotoxicity of NOSET-A." NMRI Report March 1976.
MF51.524.023.4003 Report No. 1. AD B011 941
8. Armstrong, F.W., A.J. Bachrach and G.H. Egstrom. "Human bioengineering of diving equipment." In Underwater 75. Proceedings of the 4th World Congress of Underwater Activities, Stockholm, 1975. Stockholm, SMR Committee for Underwater Technology, 1976. Vol. 2, pp. 475-484.
MPN10.03.2040 Report No. 18. AD A034 819
9. Bachrach, A.J. and G.H. Egstrom. "Human performance underwater." In Diving Medicine. New York, Grune & Stratton, 1976. pp. 183-196.
MPN 10.03.2040 Report No. 20.
10. Bachrach, A.J. "Theories of learning and the teaching of diving." In Proceedings of the Seventh International Conference on Underwater Education. Colton, CA, National Association of Underwater Instructors, 1976. pp. 26-36.
MPN10.03.2040 Report No. 17. AD A024 953

11. Bailey, R.C. and L.D. Homer. "Iterative parameter estimation." NMRI Report. September 1976.
M0098.PN.01.0037 Report No. 1. AD A030 611
12. Baum, B.J., J.L. Bird, D.B. Millar, and R.W. Longton. "Studies on histidine-rich polypeptides from human parotid saliva." Archives of Biochemistry and Biophysics 177:427-436, 1976.
MR041.20.02.0432 Report No. 2.
13. Beaudoin, R.L., C.P.A. Strome, T.A. Tubergen, and F. Mitchell. "Plasmodium berghei berghei: Irradiated sporozoites of the ANKA strain as immunizing antigens in mice." Experimental Parasitology 39:438-443, 1976.
MR041.09.01.0127 Report No. 8.
14. Bennett, R.M. "Drowning and near-drowning etiology and pathophysiology." American Journal of Nursing 76(6):919-921, 1976.
MPN10.02.7062 Report No. 2. AD A027 114
15. Berghage, T.E. "Decompression sickness during saturation dives." Undersea Biomedical Research 3(4):387-398, 1976.
MF51.524.014.0006 Report No. 4. AD A035 543
16. Berghage, T.E., M.M. Matzen, and M.T. O'Mara. "Index of Submarine Medical Officer's Qualification Theses 1944-1974." NMRI Report, April 1976.
MF51.524.014.0006 Report No. 1. AD A024 405
17. Berghage, T.E., J.A. Gomez, C.E. Roa, and T.R. Everson. "Pressure-reduction limits for rats following steady-state exposures between 6 and 60 ATA." Undersea Biomedical Research 3(3):261-271, 1976.
MF51.524.014.0006 Report No. 3. AD A032 614
18. Bondi, K.R., J.M. Young, R.M. Bennett, and M.E. Bradley. "Closing volumes in man immersed to the neck in water." Journal of Applied Physiology 40(5):736-740, 1976.
MPN10.02.8012 Report No. 1. AD A026 786
19. Bondi, K.R. "The *in-vitro* properties of mass spectrometer catheters as a function of pressure." In Problems and Solutions in the Use of Mass Spectrometry in Hyperbaric Environments. Proceedings of a workshop, 1975. Downsview, Ontario, Defence and Civil Institute of Environmental Medicine, 1976. pp. 70-84.
MPN10.04.3000 Report No. 1. AD A030 267
20. Bradley, M.E. "Near-drowning: Pathophysiology and treatment." In Diving Medicine. New York, Grune & Stratton, 1976. pp. 317-327.
MPN10.01.8011 Report No. 1. AD A030 266
21. Brady, J.I., Jr., J.K. Summitt, and T.E. Berghage. "An audiometric survey of Navy divers." Undersea Biomedical Research 3(1): 41-47, 1976.
MF51.524.014.0006 Report No. 2. AD A028 432

22. Bright, R.W. "Decision making in tissue procurement." Transplantation Proceedings 8(2) Suppl. 1:173-179, 1976.
MPN06.01.0003 Report No. 7. AD A034 302
23. Brown, T.E., A. Ahmed, R.S. Filo, R.C. Knudsen, and K.W. Sell. "The immunosuppressive mechanism of azathioprine. I. *In vitro* effect on lymphocyte function in the baboon." Transplantation 21(1):27-35, 1976.
MF51.524.013.1004 Report No. 2. AD A022 420
24. Callahan, L.T., III. "*Pseudomonas aeruginosa* exotoxin: purification by preparative polyacrylamide gel electrophoresis and the development of a highly specific antitoxin serum." Infection and Immunity 14(1):55-61, 1976.
MR041.05.01.0031 Report No. 1. AD A029 487
25. Clark, G.E. and V. Frattali. "Appearance of inorganic pyrophosphatase during growth of *Streptococcus mutans* cells." Proceedings of the Society for Experimental Biology and Medicine 153:468-472, 1976.
MR041.20.02.0318 Report No. 1.
26. Cohen, P.L., I. Scher, and D.E. Mosier. "*In vitro* studies of the genetically determined unresponsiveness to thymus-independent antigens in CBA/N mice." Journal of Immunology 116(2): 301-304, 1976.
MR041.02.01.0020 Report No. 5. AD A022 505
27. Cole, J.S., III, G.E. Clark, and R. Wistar, Jr. "Influence of secretory immunoglobulin A and purified secretory component on dehydrogenase activity of *Streptococcus mutans*." Journal of Bacteriology 127(3):1595-1596, 1976.
MR041.01.01.1105 Report No. 1. AD A033 159
28. Coolbaugh, J.C., J.J. Progar, and E. Weiss. "Enzymatic activities of cell-free extracts of *Rickettsia typhi*." Infection and Immunity 14(1):298-305, 1976.
MR041.05.01.0030 Report No. 1 AD A029 497
29. Dorsey, C.H. "*Schistosoma mansoni*: description of the head gland of cercariae and schistosomules at the ultrastructural level." Experimental Parasitology 39:444-459, 1976.
MR041.05.01.0037 Report No. 4.
30. Filo, R.S., R.T. Bell, A. Small, and K.W. Sell. "Current status of kidney freeze preservation." Transplantation Proceedings 8(2), Suppl. 1:215-221, 1976.
MF51.524.013.1005 Report No. 6. AD A034 301
31. Fletcher, J.R., C.M. Herman, and P.W. Ramwell. "Improved survival in endotoxemia with aspirin and indomethacin pretreatment." Surgical Forum XXVII:11-12, 1976.
MPN06.01.0041 Report No. 1 AD A035 444
32. Fletcher, J.R., P.W. Ramwell, and C.M. Herman. "Prostaglandins and the hemodynamic course of endotoxin shock." Journal of Surgical Research 20:589-594, 1976.
MR000.01.01.1094 Report No. 1.

33. Frattali, V., M. Quesada, R. Robertson. "Energy, protein, mineral and water content of food items." NMRI Report June 1976.
MPN10.02.4080 Report No. 7. AD A026 756
34. Freund, J.G., A. Ahmed, R.E. Budd, M.E. Dorf, K.W. Sell, W.E. Vannier, and R.E. Humphreys. "The L1210 leukemia cell bears a B lymphocyte specific, non-H-2-linked alloantigen." Journal of Immunology 117 (5, Pt. 2.):1903-1905, 1976.
MF51.524.013.1004 Report No. 5. AD A035 896
35. Friedlaender, G.E. "The antigenicity of preserved allografts." Transplantation Proceedings 8(2), Suppl. 1:195-200, 1976.
MR041.02.01.0031 Report No. 2. AD A028 560
36. Friedlaender, G.E. and R.A. Cahill. "Current scope of the U.S. Navy Tissue Bank." Transplantation Proceedings 8(2), Suppl. 1: 21-24, 1976.
MPN06.01.0003 Report No. 4. AD A028 561
37. Friedlaender, G.E. "Personnel and equipment required for a 'complete' tissue bank." Transplantation Proceedings 8(2), Suppl. 1:235-240, 1976.
MPN06.01.0003 Report No. 3. AD A028 121
38. Friedlaender, G.E., D.M. Strong, K.W. Sell. "Studies on the antigenicity of bone. I. Freeze-dried and deep-frozen bone allografts in rabbits." Journal of Bone and Joint Surgery 58-A(6):854-858, 1976.
MR041.02.01.0031 Report No. 3. AD A034 348
39. Friedlaender, G.E. and M.S. Mitchell. "A virally induced osteosarcoma in rats. A model for immunological studies of human osteosarcoma." Journal of Bone and Joint Surgery 58-A(3):295-302, 1976.
MR041.02.01.0031 Report No. 1. AD A026 787
40. Friess, S.L., W.V. Hudak and R.D. Boyer. "Changes in rat respiratory behavior under varying PCO₂ levels and argon content in hyperbaric Ar-O₂-CO₂ atmospheres." Undersea Biomedical Research 3(2):85-94, 1976.
MF51.524.014.0003 Report No. 2. AD A028 433
41. Friess, S.L. and W.V. Hudak. "Helium depression of cholinergic sensitivity in the cat superior cervical ganglion tissue." Toxicology and Applied Pharmacology 38:409-414, 1976.
MR041.06.01.0006 Report No. 73.
42. Gershwin, R.J., M.E. Gershwin, A.D. Steinberg, A. Ahmed and T. Ochiai. "Relationship between age and thymic function in the development of leukemia in AKR mice." Proceedings of the Society for Experimental Biology and Medicine 152:403-407, 1976.
MR041.02.01.0034 Report No. 1.
43. Glaser, Z.R. "Bibliography of reported biological phenomena ('effects') and clinical manifestations attributed to microwave and radio-frequency radiation: seventh supplement." NMRI Report June 1976.
MF51.524.015.0030 Report No. 1. AD A025 354

44. Glaser, Z.R., P.F. Brown, and M.S. Brown. "Bibliography of reported biological phenomena ('effects') and clinical manifestations attributed to microwave and radio-frequency radiation: compilation and integration of report and seven supplements." NMRI Report September 1976.
MF51.524.015.0030 Report No. 4.
45. Glaser, Z.R. and P.F. Brown. "Bibliography of reported biological phenomena ('effects') and clinical manifestations attributed to microwave and radio-frequency radiation." 8th Supplement. NMRI Report August 1976.
MF51.524.015.0030 Report No. 2. AD A029 430
46. Glaser, Z.R. and C.H. Dodge. "Biomedical aspects of radio frequency and microwave radiation: a review of selected Soviet, East European, and Western references." In Biological Effects of Electromagnetic Waves. Selected Papers of the USNC/URSI Annual Meeting, Boulder, Colorado, 1975. Rockville, MD, Food and Drug Administration, 1976, pp. 2-34.
MF51.524.015.0030 Report No. 5.
47. Green, S.S. and R. Wistar, Jr. "Characterization of lymphocyte inhibition by supernatants of crowded lymphocytoblasts." Journal of Immunology 117(5, Pt. 1):1429-1433, 1976.
MR041.02.01.0013 Report No. 7. AD A034 967
48. Gross, A.E., F. Langer, J. Houpt, K. Pritzker, and G. Friedlaender. "Allotransplantation of partial joints in the treatment of osteoarthritis of the knee." Transplantation Proceedings 8(2), Suppl. 1: 129-132, 1976.
MPN06.01.0003 Report No. 6. AD A034 300
49. Hallenbeck, J.M. "Cinephotomicrography of dog spinal vessels during cord-damaging decompression sickness." Neurology 26(2):190-199, 1976.
MPN10.01.1150 Report No. 9. AD A024 625
50. Hallenbeck, J.M., A.A. Bove, and D.H. Elliott. "Decompression sickness studies." In Underwater Physiology V. Proceedings of the 5th Symposium on Underwater Physiology. Bethesda, MD, FASEB, 1976. pp. 273-286.
MPN10.01.1150 Report No. 10. AD A030 310
51. Hoar, P.F., L.W. Raymond, H.C. Langworthy, R.E. Johnsonbaugh, and J. Sode. "Physiological responses of men working in 25.5°C water, breathing air or helium tri-mix." Journal of Applied Physiology 40(4):605-610, 1976.
M4306.02.6010 Report No. 8. AD A025 563
52. Hoar, P.F., H.C. Langworthy, W.H. Mints, W.E. Long, and L.W. Raymond. "Technique for electrocardiographic monitoring of working divers." Aviation, Space, and Environmental Medicine 47(6):667-671, 1976.
MPN10.02.6011 Report No. 1. AD A026 785

53. Hoke, B., D.L. Jackson, J.M. Alexander, and E.T. Flynn. "Respiratory heat loss and pulmonary function during cold-gas breathing at high pressures." In Underwater Physiology V. Proceedings of the 5th Symposium on Underwater Physiology. Bethesda, MD, FASEB, 1976. pp. 725-740.
M4306.02.6010 Report No. 9. AD A030 315
54. Jaroszewski, J., A. Ahmed, and K.W. Sell. "Mechanism for regulation of immune responses." Journal of Theoretical Biology 57:121-129, 1976.
MR000.01.01.1066 Report No. 1. AD A023 382
55. John, D.A., R.E. Tobey, L.D. Homer, and C.L. Rice. "Onset of succinylcholine-induced hyperkalemia following denervation." Anesthesiology 45(3):294-299, 1976.
MR000.01.01.1071 Report No. 1. AD A031 550
56. Kelly, J.F., J.D. Cagle, G.J. Adler, and R.L. Donovan. "Radionuclide study of bone allografts." Transplantation Proceedings 8(2); Suppl. 1: 89-93, 1976.
MR041.20.02.0637 Report No. 22. AD A028 135
57. Kelly, J.F., J.D. Cagle, G.J. Adler, and R.L. Donovan. "Sequential quantitative radionuclide evaluation of mandibular bone graft repair." Journal of Dental Research 55(6):1111-1117, 1976.
MR041.20.02.6037 Report No. 23.
58. Kennedy, R.S. "The role of the vestibular apparatus under water and at high pressure." In Underwater Physiology V. Proceedings of the 5th Symposium on Underwater Physiology. Bethesda, MD, FASEB, 1976. pp. 685-697.
MPN10.03.3015 Report No. 5. AD A030 612
59. Kingsley, J.R., C.R. Valeri, H. Peters, B.C. Cole, W.J. Fouty, H.F. Sears, and C.M. Herman. "Citrate anticoagulation and cell washing for intraoperative autotransfusion in the baboon." American Journal of Surgery 131:717-721, 1976.
M4318.01.0001 Report No. 6. AD A028 684
60. Kothari, R.M., M.A. Grafius and D.B. Millar. "A simple and rapid chromatographic method for the immobilization of acetylcholinesterase from electric eel." Analytical Biochemistry 71:273-280, 1976.
MR000.01.01.1084 Report No. 1.
61. Lakin, J.D. and R.A. Cahill. "Generalized urticaria to cyclophosphamide: Type I hypersensitivity to an immunosuppressive agent." Journal of Allergy and Clinical Immunology 58(1,Part 2): 160-171, 1976.
MPN06.01.0005 Report No. 1. AD A031 547

62. Langworthy, H.C. and L.M. Fraser. "Environmental evaluation of an injured swimmer flotation device." NMRI Report 1976.
MPN10.01.8010 Report No. 1. AD A031 521
63. Manthei, R.C. and Z.R. Glaser. "The sleep process of rabbits exposed to low intensity non-ionizing electromagnetic radiation. I. Development of methodology." In Biological Effects of Electromagnetic Waves. Selected Papers of the USNC/URSI Annual Meeting, Boulder, Colorado, 1975. Rockville, MD, Food and Drug Administration, 1976. pp. 342-351.
MF51.524.015.0028 Report No. 1.
64. Martin, L.R., E. Tidwell, J.I. Tenca, G.B. Pellue, Jr., and R.W. Longton. "Histologic response of rat connective tissue to zinc-containing amalgam." Journal of Endodontics 2(1):25-27, 1976.
MR041.20.02.6002 Report No. 23. AD A021 358
65. Mellonig, J.T., G.M. Bowers, R.W. Bright, and J.L. Lawrence. "Clinical evaluation of freeze-dried bone allografts in periodontal osseous defects." Journal of Periodontology 47(3):125-131, 1976.
M4318.01.0002 Report No. 1. AD A028 428
66. Millar, D.B. and M.A. Grafius. "Fluorescent titrations at low protein concentrations." Analytical Letters 9(2):125-136, 1976.
MR000.01.01.1103 Report No. 1.
67. Miller, J.W., A.J. Bachrach, and J.M. Walsh. "Assessment of vertical excursions and open-sea psychological performance at depths to 250 fsw." Undersea Biomedical Research 3(4):339-349, 1976.
MPN10.03.2040 Report No. 19. AD A036 941
68. Mosier, D.E., I. Scher, and W.E. Paul. "*In vitro* responses of CBA/N mice: spleen cells of mice with an x-linked defect that precludes immune responses to several thymus-independent antigens can respond to TNP-lipopolysaccharide." Journal of Immunology 117(4):1363-1369, 1976.
MR041.02.01.0020
69. Ochiai, T., A. Ahmed, I. Scher, K.W. Sell, and A.D. Steinberg. "Functional characterization of a naturally occurring antibody cytotoxic for a subpopulation of splenic T cells." Transplantation 22(1):1-8, 1976.
MR000.01.01.1072 Report No. 1. AD A029 778
70. Oller, D.W., C.J. Rice, C.M. Herman, R.C. Cochran, L.D. Homer, D.A. John, J.R. Kingsley, and W.J. Fouty. "Heparin versus citrate anticoagulation in autotransfusion." Journal of Surgical Research 20:333-340, 1976.
MR041.02.01.0014 Report No. 5.
71. Pavlovskis, O.R., F.A. Voelker, and A.H. Shackelford. "*Pseudomonas aeruginosa* exotoxin in mice: histopathology and serum enzyme changes." Journal of Infectious Diseases 133(3):253-259, 1976.
MPN06.01.0006 Report No. 8.
MPN06.01.0009 Report No. 1.

72. Pollack, M., L.T. Callahan, III, and N.S. Taylor. "Neutralizing antibody to *Pseudomonas aeruginosa* exotoxin in human sera: evidence for *in vivo* toxin production during infections." Infection and Immunity 14(4):942-947, 1976.
MR041.20.01.0423 Report No. 1. AD A033 811
73. Polyzois, S., B.J. Baum, W.H. Bowen, and R.W. Longton. "Differences in the pH activity profile of human and monkey salivary lysosyme." Journal of Dental Research 55(6):1137, 1976.
MR041.20.02.0432 Report No. 3.
74. Posner, M.A., R.E. Tobey, and H. McElroy. "Hydroxocobalamin therapy of cyanide intoxication in guinea pigs." Anesthesiology 44(2):157-160, 1976.
M4306.02.5012 Report No. 1. AD A021 359
75. Posner, M.A., F.L. Rodkey, and R.E. Tobey. "Nitroprusside-induced cyanide poisoning: antidotal effect of hydroxocobalamin." Anesthesiology 44(4):330-335, 1976.
M4306.02.5012 Report No. 2. AD A023 702
76. Reves, J.G. and L.E. McCracken, Jr. "Failure to induce hepatic pathology in animals sensitized to a halothane metabolite and subsequently challenged with halothane." Anesthesia and Analgesia 55(2):235-242, 1976.
M4306.02.5012 Report No. 3. AD A025 581
77. Reves, J.G. and L.E. McCracken, Jr. "Hepatic pathology and skin test reactions to trifluoro-acetylated autologous protein after repeated halothane anaesthesia in the guineapig." British Journal of Anaesthesia 48:419-424, 1976.
M4306.02.5012 Report No. 4. AD A028 468
78. Rodkey, F.L. "A mechanism for the conversion of oxyhemoglobin to methemoglobin by nitrite." Clinical Chemistry 22(12):1986-1990, 1976.
MR041.01.01.0103 Report No. 29. AD A035 542
79. Rodkey, F.L. and A.R. Dasler. "A method for analysis of oxygen breathing apparatus (OBA) type II canisters." NMRI Report December 1976.
MR041.01.01.0103 Report No. 28. AD A034 121
80. Roloff, M.V. and A.P. D'Addario. "Carbon monoxide-induced alterations in pulmonary alveolar macrophages at ambient and elevated pressures." In Proceedings 1976 Divers' Gas Purity Symposium. Supplement. Columbus, Ohio, Battelle, 1976. U.S. Navy Supervisor of Diving Report 7-76. pp. 16-2 + 16-20.
MPN10.01.1270 Report No. 1. AD A034 727
81. Sass, D.J., R.A. Van Dyke, E.H. Wood, S.A. Johnson, and P. Didisheim. "Gas embolism due to intravenous FC 80 liquid fluorocarbon." Journal of Applied Physiology 40(5):745-751, 1976.
MPN10.04.3118 Report No. 1. AD A028 123

82. Schaberg, S.J., J.F. Kelly, B.C. Terry, M.A. Posner, and E.F. Anderson. "Blood loss and hypotensive anesthesia in oral-facial corrective surgery." Journal of Oral Surgery 34:147-156, 1976.
MF51.524.012.0014 Report No. 2. AD A021 357
83. Scher, I., S.O. Sharrow, R. Wistar, Jr., R. Asofsky, and W.E. Paul. "B-lymphocyte heterogeneity: ontogenetic development and organ distribution of B-lymphocyte populations defined by their density of surface immunoglobulin." Journal of Experimental Medicine 144:494-506, 1976.
MR041.02.01.0020 Report No. 8. AD A030 255
84. Scher, I., S.O. Sharrow, R. Wistar, Jr., and W.E. Paul. "Density of surface Ig on B-cells: ontogenetic studies of a population of splenic B-cells in normal mice and mice with an X-linked B-lymphocyte immune defect." In Leukocyte Membrane Determinants Regulating Immune Reactivity. New York, Academic Press, 1976. pp. 189-195.
MR041.02.01.0020 Report No. 6. AD B012 637
85. Scher, I., A. Ahmed, S.O. Sharrow, A.D. Steinberg, and W.E. Paul. "Genetic control of B-lymphocyte function in the CBA/N mouse strain: a model for examining the mechanism of B-lymphocyte activation." In Mitogens in Immunobiology. Proceedings of an International Conference, Airlie, VA, 1975. New York, Academic Press, 1976. pp. 325-335.
MF51.524.013.1012 Report No. 2.
86. Scher, I., A. Ahmed, D.M. Strong, and R. Wistar, Jr. "Selective inhibition of lymphocyte responsiveness to phytohaemagglutinin in patients with Reiter's syndrome." Clinical and Experimental Immunology 23:404-413, 1976.
MF51.524.013.1012 Report No. 3. AD A034 620
87. Scher, I., S.O. Sharrow, and W.E. Paul. "X-linked B-lymphocyte defect in CBA/N mice. III. Abnormal development of B-lymphocyte populations defined by their density of surface immunoglobulin." Journal of Experimental Medicine 144:507-518, 1976.
MR041.02.01.0020 Report No. 7. AD A029 780
88. Schinski, V.D., W.C. Clutter, and K.D. Murrell. "Enzyme- and ¹²⁵I-labeled anti-immunoglobulin assays in the immunodiagnosis of schistosomiasis." American Journal of Tropical Medicine and Hygiene 25(6):824-831, 1976.
MF51.524.009.0066 Report No. 2. AD A037 260
89. Schneider, J.R. and R.W. Bright. "Anterior cervical fusion using preserved bone allografts." Transplantation Proceedings 8(2), Suppl. 1:73-76, 1976.
MPN%.01.0003 Report No. 5. AD A034 299
90. Selgrade, M.K., A. Ahmed, K.W. Sell, M.E. Gershwin and A.D. Steinberg. "Effect of murine cytomegalovirus on the *in vitro* responses of T and B cells to mitogens." Journal of Immunology 116(5):1459-1465, 1976.
MF51.524.013.1004 Report No. 4. AD A026 784

91. Sell, K.W. "Tissue banking and transplantation in perspective."
Transplantation Proceedings 8(2), Suppl. 1:3-5, 1976.
MPN06.01.0003 Report No. 2. AD A028 122
92. Sinha, B.K., R.L. Cysyk, D.B. Millar, and C.F. Chignell. "Synthesis and biological properties of some spin-labeled 9-aminoacridines."
Journal of Medicinal Chemistry 19:994-998, 1976.
MF51.524.013.1019 Report No. 1.
93. Small, A. and R.S. Ide. "Failure to detect nephrotoxicity of chronically administered dimethyl sulfoxide (DMSO) in rats."
Cryobiology 13:328-333, 1976.
MR041.20.01.0426 Report No. 1.
94. Spence, K.F., Jr., R.W. Bright, S.P. Fitzgerald, and K.W. Sell. "Solitary unicameral bone cyst: treatment with freeze-dried crushed cortical-bone allograft. A review of one hundred and forty-four cases." Journal of Bone and Joint Surgery 58-A(5): 636-641, 1976.
M4305.03.3001 Report No. 3. AD A036 945
95. Strong, D.M. "Cryobiologic approaches to the recovery of immunologic responsiveness of murine and human mononuclear cells."
Transplantation Proceedings 8(2), Suppl. 1:203-208, 1976.
MPN06.01.0007 Report No. 4. AD A028 120
96. Suba, E.A. and G. Csako. "Clq (C1) receptor on human platelets: inhibition of collagen-induced platelet aggregation by Clq (C1) molecules." Journal of Immunology 117(1):304-309, 1976.
MR041.02.01.0029 Report No. 1. AD A028 081
97. Thomas, J.R., J.M. Walsh, A.J. Bachrach, and D.R. Thorne. "Differential behavioral effects of nitrogen, helium, and neon at increased pressures." In Underwater Physiology V. Proceedings of the 5th Symposium on Underwater Physiology. Bethesda, MD, FASEB, 1976. pp. 641-649.
MF51.524.004.7007 Report No. 12. AD A030 256
98. Thomas, J.R. "Interaction between hyperbaric air and *d*-amphetamine effects on performance." Psychopharmacology 48:69-73, 1976.
MPN10.03.3021 Report No. 2. AD A029 491
99. Thomas, J.R., L.S. Burch, and R.A. Banvard. "Interaction of hyperbaric nitrogen and oxygen effects on behavior." Aviation, Space and Environmental Medicine 47(9):965-968, 1976.
MR041.01.01.0150 Report No. 2. AD A032 612
100. Thomas, J.R. "Reversal of nitrogen narcosis in rats by helium pressure." Undersea Biomedical Research 3(3):249-259, 1976.
MF51.524.004.7007 Report No. 13. AD A032 615
101. Tresansky, G.J. "The NMRI Mark III Mod 1 and 2 tremor devices." NMRI Report June 1976.
MPN10.03.3015 Report No. 4. AD A026 828

102. Tsai, C.M., D.A. Zopf, R. Wistar, Jr., and V. Ginsburg. "A human cold agglutinin which binds lacto-*N*-Neotetraose." Journal of Immunology 117(3):717-721, 1976.
MR041.02.01.0038
103. Turner, D.W., B.S. Roberson, and R.W. Longton. "Cell-mediated immune response to products of *Actinomyces viscosus* cultures." Infection and Immunity 14(2):372-375, 1976.
MR041.20.02.0419 Report No. 1. AD A031 546
104. Walsh, J.M. "Behavioral effects of Δ^9 -tetrahydrocannabinol under hyperbaric air." In Proceedings of the 3d Annual Meeting, North Pacific Chapter, Undersea Medical Society, 1976. Grand Forks, North Dakota, University of North Dakota, 1976. pp. 15-17.
MPN10.03.3021 Report No. 1. AD A028 350
105. Walsh, J.M. "Drugs and diving." In Diving Medicine. New York, Grune & Stratton, 1976. pp. 197-209.
MR041.01.01.0146 Report No. 1.
106. Wild, J.R. "Enhancement of base pair substitution induced by alkylating mutagens in simulated hyperbaric diving environments." Mutation Research 38:259-270, 1976.
MPN10.02.8001 Report No. 1. AD A029 496
107. Wild, J.R. "Induction of *B*-lactamase formation in *Staphylococcus aureus* under simulated diving environments." Texas Journal of Science. Special Publication No. 1:53-58, 1976.
MPN10.02.8001 Report No. 2. AD A031 694
108. Williams, J.C. and J.C. Peterson. "Enzymatic activities leading to pyrimidine nucleotide biosynthesis from cell-free extracts of *Rickettsia typhi*." Infection and Immunity 14(2):439-448, 1976.
MR041.05.01.0028 Report No. 1. AD A031 545
109. Yocum, M.W., D.M. Strong, and J.D. Lakin. "Competent cellular immunity in allergic rhinitis patients with elevated IgE." Journal of Allergy and Clinical Immunology 57(4):384-388, 1976.
MPN06.01.0045 Report No. 1. AD A025 522
110. Yocum, M.W., D.M. Strong, M.J. Chusid, and J.D. Lakin. "Selective immunoglobulin M (IgM) deficiency in two immunodeficient adults with recurrent *Staphylococcal pyoderma*." American Journal of Medicine 60:486-494, 1976.
MPN06.01.0045 Report No. 2. AD A025 525
111. Yukna, R.A. "A clinical and histologic study of healing following the excisional new attachment procedure in Rhesus monkeys." Journal of Periodontology 47(12):701-709, 1976.
M4305.04.3007 Report No. 7. AD A038 711
112. See p. 23.

AUTHOR INDEX

- ACKERMAN, M.J. 1
 ADLER, G.J. 56,57
 AHMED, A. 2,3,4,23,24,34,42,54,
 69,85,86,90
 ALEXANDER, J.M. 53
 ANDERSEN, M.E. 5,6,7
 ANDERSON, E.F. 82
 ARMSTRONG, F.W. 8
 ASOFSKY, R. 83
- BACHRACH, A.J. 8,9,10,67,97
 BAILEY, R.C. 11
 BANVARD, R.A. 99
 BAUM, B.J. 12,73
 BEAUDOIN, R.L. 13
 BELL, R.T. 30
 BENNETT, R.M. 14,18
 BERGHAGE, T.E. 15,16,17,21
 BIRD, J.L. 12
 BONDI, K.W. 18,19
 BOVE, A.A. 50
 BOWEN, W.H. 73
 BOWERS, G.M. 65
 BOYER, R.D. 40
 BRADLEY, M.E. 18,20
 BRADY, J.I., JR. 21
 BRIGHT, R.W. 22,65,89,94
 BROWN, M.S. 44
 BROWN, P.F. 44,45
 BROWN, T.E. 23
 BUDD, R.E. 34
 BURCH, L.S. 99,112
- CAGLE, J.D. 56,57
 CAHILL, R.A. 36,61
 CALLAHAN, L.T., III. 24,72
 CHIGNELL, C.F. 92
 CHUSID, M.J. 110
 CLARK, G.E. 25,27
 CLUTTER, W.C. 88
 COCHRAN, R.C. 70
 COHEN, P.L. 26
 COLE, B.C. 59
 COLE, J.S., III. 27
 COOLBAUGH, J.C. 28
 CSAKO, G. 96
 CYSYK, R.L. 92
- D'ADDARIO, A.P. 80
 DASLER, A.R. 79
 DIDISHEIM, P. 81
- DODGE, C.H. 46
 DONOVAN, R.L. 56,57
 DORF, M.E. 34
 DORSEY, C.H. 29
- EGSTROM, G.H. 8,9
 ELLIOTT, D.H. 50
 EVERSON, T.R. 17
- FILO, R.S. 23,30
 FITZGERALD, S.P. 94
 FLETCHER, J.R. 31,32
 FLYNN, E.T. 53
 FOUTY, W.J. 59,70
 FRASER, L.M. 62
 FRATTALI, V. 25,33
 FREUND, J.G. 34
 FRIEDLAENDER, G.E. 35,36,37,38,39,48
 FRIESS, S.L. 40,41
- GERSHWIN, M.E. 42,90
 GERSHWIN, R.J. 42
 GINSBURG, V. 102
 GLASER, Z.R. 43,44,45,46,63
 GOMEZ, J.A. 17
 GRAFIUS, M.A. 60,66
 GREEN, S.S. 47
 GROSS, A.E. 48
- HALLENBECK, J.M. 49,50
 HERMAN, C.M. 31,32,59,70
 HOAR, P.F. 51,52
 HOKE, B. 53
 HOMER, L.D. 11,55,70
 HOUP, J. 48
 HUDAK, W.V. 40,41
 HUMPHREYS, R.E. 34
- IDE, R.S. 93
- JACKSON, D.L. 53
 JAROSZEWSKI, J. 54
 JENKINS, L.J., JR. 5,6,7
 JOHN, D.A. 55,70
 JOHNSON, S.A. 81
 JOHNSONBAUGH, R.E. 51
 JONES, R.A. 6
- KELLY, J.F. 56,57,82
 KENNEDY, R.S. 58
 KINGSLEY, J.R. 59,70

KNUDSEN, R.C. 23
 KOPPENHAVER, R.E. 5,7
 KOTHARI, R.M. 60
 KURLANSIK, L. 6

 LAKIN, J.D. 61,109,110
 LANGER, F. 48
 LANGWORTHY, H.C. 51,52,62
 LAWRENCE, J.L. 65
 LONG, W.E. 52
 LONGTON, R.W. 12,64,73,103

 MCCracken, L.E., JR. 76,77
 MCELROY, H. 74
 MANTHEI, R.C. 63
 MARTIN, L.R. 64
 MATZEN, M.M. 16
 MEHL, R.G. 6
 MELLONIG, J.T. 65
 MILLAR, D.B. 12,60,66,92
 MILLER, J.W. 67
 MINTS, W.H. 52
 MITCHELL, F. 13
 MITCHELL, M.S. 39
 MOSIER, D.E. 26,68
 MURRELL, K.D. 88

 OCHIAI, T. 42,69
 OLLER, D.W. 70
 O'MARA, M.T. 16

 PAUL, W.E. 4,68,83,84,85,87
 PAVLOVSKIS, O.R. 71
 PELLUE, G.B., JR. 64
 PETERS, H. 59
 PETERSON, J.C. 108
 POLLACK, M. 72
 POLYZOIS, S. 73
 POSNER, M.A. 74,75,82
 PRITZKER, K. 48
 PROGAR, J.J. 28

 QUESADA, M. 33

 RAMWELL, C.M. 31,32
 RAYMOND, L.W. 51,52
 REVES, J.G. 76,77
 RICE, C.J. 55,70
 ROA, C.E. 17
 ROBERSON, B.S. 103
 ROBERTSON, R. 33
 RODKEY, F.L. 75,78,79
 ROLOFF, M.V. 80

 SASS, D.J. 81
 SCHABERG, S.J. 82
 SCHER, I. 2,3,4,26,68,69,83,84,85,
 86,87
 SCHINSKI, V.D. 88
 SCHNEIDER, J.R. 89
 SEARS, H.F. 59
 SELGRADE, M.K. 90
 SELL, K.W. 2,4,23,30,34,38,54,69,
 90,91,94
 SHACKELFORD, A.H. 71
 SHARROW, S.O. 83,84,85,87
 SINHA, B.K. 92
 SMALL, A. 30,93
 SMITH, A. 4
 SODE, J. 51
 SPENCE, K.F., JR. 94
 SPENCER, J.W. 1
 STEINBERG, A.D. 42,69,85,90
 STROME, C.P.A. 13
 STRONG, D.M. 38,86,95,109,110
 SUBA, E.A. 96
 SUMMITT, J.K. 21

 TAYLOR, N.S. 72
 TENCA, J.I. 64
 TERRY, B.C. 82
 THOMAS, J.R. 97,98,99,100,112
 THORNE, D.R. 97
 TIDWELL, E. 64
 TOBEY, R.E. 55,74,75
 TRESANSKY, G.J. 101
 TSAI, C.M. 102
 TUBERGEN, T.A. 13
 TURNER, D.W. 103

 VALERI, C.R. 59
 VAN DYKE, R.A. 81
 VANNIER, W.E. 34
 VOELKER, F.A. 71

 WALSH, J.M. 67,97,104,105
 WEISS, E. 28
 WILD, J.R. 106,107
 WILLIAMS, J.C. 108
 WISTAR, R., Jr. 27,47,83,84,86,102
 WOOD, E.H. 81

 YOCUM, M.W. 109,110
 YOUNG, J.M. 18
 YUKNA, R.A. 111
 YEANDLE, S.S. 112

 ZOPF, D.A. 102

TITLE INDEX

Allotransplantation of partial joints in the treatment of osteo- arthritis of the knee.	48
Anterior cervical fusion using preserved bone allografts.	89
The antigenicity of preserved allografts.	35
Appearance of inorganic pyrophosphatase during growth of <i>Streptococcus mutans</i> cells.	25
Assessment of vertical excursions and open-sea psychological performance at depths to 250 fsw.	67
An audiometric survey of Navy divers.	21
Behavioral effects of Δ^9 -tetrahydrocannabinol under hyperbaric air.	104
Bibliography of reported biological phenomena ('effects') and clinical manifestations attributed to microwave and radio- frequency radiation: compilation and integration of report and seven supplements.	44
Bibliography of reported biological phenomena ('effects') and clinical manifestations attributed to microwave and radio- frequency radiation: seventh supplement.	43
Bibliography of reported biological phenomena ('effects') and clinical manifestations attributed to microwave and radio- frequency radiation: eighth supplement.	45
Biomedical aspects of radio frequency and microwave radiation: a review of selected Soviet, East European, and Western references.	46
B-lymphocyte heterogeneity: ontogenetic development and organ distribution of B-lymphocyte populations defined by their density of surface immunoglobulin.	83
Blood loss and hypotensive anesthesia in oral-facial corrective surgery.	82
Brain stimulation in rats exposed to hyperbaric environments.	1
Carbon monoxide-induced alterations in pulmonary alveolar macro- phages at ambient and elevated pressures.	80
Cell-mediated immune response to products of <i>Actinomyces viscosus</i> cultures.	103
Changes in rat respiratory behavior under varying PCO ₂ levels and argon content in hyperbaric Ar-O ₂ -CO ₂ atmospheres.	40

Characterization of lymphocyte inhibition by supernatants of crowded lymphocyto blasts.	47
Cinephotomicrography of dog spinal vessels during cord-damaging decompression sickness.	49
Citrate anticoagulation and cell washing for intraoperative autotransfusion in the baboon.	59
A clinical and histologic study of healing following the excisional new attachment procedure in Rhesus monkeys.	111
Clinical evaluation of freeze-dried bone allografts in periodontal osseous defects.	65
Closing volumes in man immersed to the neck in water.	18
Clq (Cl) receptor on human platelets: inhibition of collagen-induced platelet aggregation by Clq (Cl) molecules.	96
Competent cellular immunity in allergic rhinitis patients with elevated IgE.	109
Cryobiologic approaches to the recovery of immunologic responsiveness of murine and human mononuclear cells.	95
Current scope of the U.S. Navy Tissue Bank.	36
Current status of kidney freeze preservation.	30
Decision making in tissue procurement.	22
Decompression sickness during saturation dives.	30
Decompression sickness studies.	50
Density of surface Ig on B-cells: ontogenetic studies of a population of splenic B-cells in normal mice and mice with an X-linked B-lymphocyte immune defect.	84
Differences in the pH activity profile of human and monkey salivary lysosyme.	73
Differential behavioral effects of nitrogen, helium, and neon at increased pressures.	97
Drowning and near-drowning etiology and pathophysiology.	14
Drugs and diving.	105
Effect of murine cytomegalovirus on the <i>in vitro</i> responses of T and B cells to mitogens.	90
Energy, protein, mineral and water content of food items.	33

Enhancement of base pair substitution induced by alkylating mutagens in simulated hyperbaric diving environments.	106
Environmental evaluation of an injured swimmer flotation device.	62
Enzymatic activities leading to pyrimidine nucleotide biosynthesis from cell-free extracts of <i>Rickettsia typhi</i> .	108
Enzymatic activities of cell-free extracts of <i>Rickettsia typhi</i> .	28
Enzyme- and ¹²⁵ I-labeled anti-immunoglobulin assays in the immunodiagnosis of schistosomiasis.	88
Failure to detect nephrotoxicity of chronically administered dimethyl sulfoxide (DMSO) in rats.	93
Failure to induce hepatic pathology in animals sensitized to a halothane metabolite and subsequently challenged with halothane.	76
Fluorescent titrations at low protein concentrations.	66
Functional characterization of a naturally occurring antibody cytotoxic for a subpopulation of splenic T cells.	69
Functional studies of the ontogeny of the M-locus product: a surface antigen of murine B lymphocytes.	2
Gas embolism due to intravenous FC 80 liquid fluorocarbon.	81
Generalized urticaria to cyclophosphamide: Type I hypersensitivity to an immunosuppressive agent.	61
Genetic control of B-lymphocyte function in the CBA/N mouse strain: a model for examining the mechanism of B-lymphocyte activation.	85
Helium depression of cholinergic sensitivity in the cat superior cervical ganglion tissue.	41
Heparin versus citrate anticoagulation in autotransfusion.	70
Hepatic pathology and skin test reactions to trifluoroacetylated autologous protein after repeated halothane anaesthesia in the guineapig.	77
Histologic response of rat connective tissue to zinc-containing amalgam.	64
Human bioengineering of diving equipment.	8
A human cold agglutinin which binds lacto- <i>N</i> -Neotetraose.	102
Human performance underwater.	9

Hydroxocobalamin therapy of cyanide intoxication in guinea pigs.	74
Immunosuppressive mechanism of azathioprine.	23
Improved survival in endotoxemia with aspirin and indomethacin pretreatment.	31
Index of Submarine Medical Officer's Qualification Theses 1944-1974.	16
Induction of <i>B</i> -lactamase formation in <i>Staphylococcus aureus</i> under simulated diving environments.	107
Influence of secretory immunoglobulin A and purified secretory component on dextran-sucrase activity of <i>Streptococcus mutans</i> .	27
Interaction between hyperbaric air and <i>d</i> -amphetamine effects on performance.	98
Interaction of hyperbaric nitrogen and oxygen effects on behavior.	99
The <i>in-vitro</i> properties of mass spectrometer catheters as a function of pressure.	19
<i>In vitro</i> responses of CBA/N mice: spleen cells of mice with an x-linked defect that precludes immune responses to several thymus-independent antigens can respond to TNP-lipopolysaccharide.	68
<i>In vitro</i> studies of the genetically determined unresponsiveness to thymus-independent antigens in CBA/N mice.	26
Iterative parameter estimation.	11
The L1210 leukemia cell bears a B lymphocyte specific, non-H-2-linked alloantigen.	34
Mechanism for regulation of immune responses.	54
A mechanism for the conversion of oxyhemoglobin to methemoglobin by nitrite.	78
A method for analysis of oxygen breathing apparatus (OBA) type II canisters.	79
The NMRI Mark III Mod 1 and 2 tremor devices.	101
Near-drowning: Pathophysiology and treatment.	20
Neutralizing antibody to <i>Pseudomonas aeruginosa</i> exotoxin in human sera: evidence for <i>in vivo</i> toxin production during infections.	72
Nitroprusside-induced cyanide poisoning: antidotal effect of hydroxocobalamin.	75

Onset of succinylcholine-induced hyperkalemia following denervation.	55
Personnel and equipment required for a "complete" tissue bank.	37
Physiological responses of men working in 25.5°C water, breathing air or helium tri-mix.	51
<i>Plasmodium berghei berghei</i> : Irradiated sporozoites of the ANKA strain as immunizing antigens in mice.	13
Pressure-reduction limits for rats following steady-state exposures between 6 and 60 ATA.	17
Prostaglandins and the hemodynamic course of endotoxin state.	32
<i>Pseudomonas aeruginosa</i> exotoxin in mice: histopathology and serum enzyme changes.	71
<i>Pseudomonas aeruginosa</i> exotoxin: purification by preparative polyacrylamide gel electrophoresis and the development of a highly specific antitoxin serum.	24
Radionuclide study of bone allografts.	56
Relationship between age and thymic function in the development of leukemia in AKR mice.	42
Respiratory heat loss and pulmonary function during cold-gas breathing at high pressures.	53
Reversal of nitrogen narcosis in rats by helium pressure.	100
The role of the vestibular apparatus under water and at high pressure.	58
<i>Schistosoma mansoni</i> : description of the head gland of cercariae and schistosomules at the ultrastructural level.	29
Selective immunoglobulin M (IgM) deficiency in two immunodeficient adults with recurrent <i>Staphylococcal pyoderma</i> .	110
Selective inhibition of lymphocyte responsiveness to phytohaemagglutinin in patients with Reiter's syndrome.	86
Sequential quantitative radionuclide evaluation of mandibular bone graft repair.	57
A simple and rapid chromatographic method for the immobilization of acetylcholinesterase from electric eel.	60
The sleep process of rabbits exposed to low intensity non-ionizing electromagnetic radiation. I. Development of methodology.	63

Solitary unicameral bone cyst: treatment with freeze-dried crushed cortical-bone allograft. A review of one hundred and forty-four cases.	94
Some neurotoxic properties of triethylene glycol dinitrate: a comparison with decamethonium.	99
Studies on histidine-rich polypeptides from human parotid saliva.	100
Studies on non-H-2-linked lymphocyte activating determinants. II. Nonexpression of Mls determinants in a mouse strain with an X-linked B lymphocyte immune defect.	3
Studies on non-H-2 linked lymphocyte activating determinants. III. Influence of the X-chromosome and correlation of the density of surface Ig with the appearance of the Mls product.	4
Studies on the antigenicity of bone. I. Freeze-dried and deep-frozen bone allografts in rabbits.	38
Sulfolane-induced convulsions in rodents.	6
Synthesis and biological properties of some spin-labeled 9-aminoacridines.	92
Technique for electrocardiographic monitoring of working divers.	52
Theories of learning and the teaching of diving.	10
Tissue banking and transplantation in perspective.	91
Toxicology of nitrate ester torpedo propellants.	7
A virally induced osteosarcoma in rats. A model for immunological studies of human osteosarcoma.	39
X-linked B-lymphocyte defect in CBA/N mice. III. Abnormal development of B-lymphocyte populations defined by their density of surface immunoglobulin.	87

WORK UNIT INDEX

M0098.PN.01.0037 Report No. 1	11
M4305.03.3001 Report No. 3	94
M4305.04.3007 Report No. 7	111
M4306.02.5012 Report No. 1	74
M4306.02.5012 Report No. 2	75
M4306.02.5012 Report No. 3	76
M4306.02.5012 Report No. 4	77
M4306.02.6010 Report No. 8	51
M4306.02.6010 Report No. 9	53
M4318.01.0001 Report No. 6	59
M4318.01.0002 Report No. 1	65
MF51.524.004.7007 Report No. 12	97
MF51.524.004.7007 Report No. 13	100
MF51.524.009.0066 Report No. 2	88
MF51.524.012.0014 Report No. 2	82
MF51.524.013.1001 Report No. 5	2
MF51.524.013.1004 Report No. 2	23
MF51.524.013.1004 Report No. 4	90
MF51.524.013.1004 Report No. 5	34
MF51.524.013.1004 Report No. 6	4
MF51.524.013.1005 Report No. 6	30
MF51.524.013.1012 Report No. 2	85
MF51.524.013.1012 Report No. 3	86
MF51.524.013.1019 Report No. 1	92
MF51.524.014.0003 Report No. 2	40
MF51.524.014.0006 Report No. 1	16
MF51.524.014.0006 Report No. 2	21
MF51.524.014.0006 Report No. 3	17
MF51.524.014.0006 Report No. 4	15
MF51.524.015.0028 Report No. 1	63
MF51.524.015.0030 Report No. 1	43
MF51.524.015.0030 Report No. 2	45
MF51.524.015.0030 Report No. 4	44
MF51.524.015.0030 Report No. 5	46
MF51.524.023.4003 Report No. 1	7
MF51.524.023.4003 Report No. 2	5
MF51.524.023.4006 Report No. 1	6
MPN06.01.0003 Report No. 2	91
MPN06.01.0003 Report No. 3	37
MPN06.01.0003 Report No. 4	36
MPN06.01.0003 Report No. 5	89
MPN06.01.0003 Report No. 6	48
MPN06.01.0003 Report No. 7	22
MPN06.01.0005 Report No. 1	61
MPN06.01.0006 Report No. 8	71
MPN06.01.0007 Report No. 4	95
MPN06.01.0009 Report No. 1	71
MPN06.01.0041 Report No. 1	31
MPN06.01.0045 Report No. 1	109
MPN06.01.0045 Report No. 2	110

MPN10.01.1150 Report No. 9	49
MPN10.01.1150 Report No. 10	50
MPN10.01.1270 Report No. 1	80
MPN10.01.8010 Report No. 1	62
MPN10.01.8011 Report No. 1	20
MPN10.02.4080 Report No. 7	33
MPN10.02.6011 Report No. 1	52
MPN10.02.7062 Report No. 2	14
MPN10.02.8001 Report No. 1	106
MPN10.02.8001 Report No. 2	107
MPN10.02.8012 Report No. 1	18
MPN10.03.2040 Report No. 17	10
MPN10.03.2040 Report No. 18	8
MPN10.03.2040 Report No. 19	67
MPN10.03.2040 Report No. 20	9
MPN10.03.3015 Report No. 4	101
MPN10.03.3015 Report No. 5	58
MPN10.03.3021 Report No. 1	104
MPN10.03.3021 Report No. 2	98
MPN10.04.3000 Report No. 1	19
MPN10.04.3118 Report No. 1	81
MR000.01.01.1066 Report No. 1	54
MR000.01.01.1071 Report No. 1	55
MR000.01.01.1072 Report No. 1	69
MR000.01.01.1084 Report No. 1	60
MR000.01.01.1094 Report No. 1	32
MR000.01.01.1103 Report No. 1	66
MR000.01.01.1105 Report No. 1	27
MR041.01.01.0103 Report No. 28	79
MR041.01.01.0103 Report No. 29	78
MR041.01.01.0146 Report No. 1	105
MR041.01.01.0148 Report No. 1	1
MR041.01.01.0150 Report No. 2	99
MR041.02.01.0013 Report No. 7	47
MR041.02.01.0014 Report No. 5	70
MR041.02.01.0020 Report No. 5	26
MR041.02.01.0020 Report No. 6	84
MR041.02.01.0020 Report No. 7	87
MR041.02.01.0020 Report No. 8	83
MR041.02.01.0020 Report No. 9	3
MR041.02.01.0020	68
MR041.02.01.0029 Report No. 1	96
MR041.02.01.0031 Report No. 1	39
MR041.02.01.0031 Report No. 2	35
MR041.02.01.0031 Report No. 3	38
MR041.02.01.0034 Report No. 1	42
MR041.02.01.0038	102
MR041.05.01.0028 Report No. 1	108
MR041.05.01.0030 Report No. 1	28
MR041.05.01.0031 Report No. 1	24
MR041.05.01.0037 Report No. 4	29
MR041.06.01.0006 Report No. 73	41
MR041.09.01.0127 Report No. 8	13
MR041.20.02.0318 Report No. 1	25

MR041.20.01.0423 Report No. 1	72
MR041.20.01.0426 Report No. 1	93
MR041.20.02.0419 Report No. 1	103
MR041.20.02.0432 Report No. 2	12
MR041.20.02.0432 Report No. 3	73
MR041.20.02.0637 Report No. 22	56
MR041.20.02.6002 Report No. 23	64
MR041.20.02.6037 Report No. 23	57

ADDITIONS AND CHANGES

1976

The following report was received after completion of the list.

112. Thomas, J.R., S.S. Yeandle, and L.S. Burch. "Modification of internal discriminative stimulus control of behavior by low levels of pulsed microwave radiation." In Biological Effects of Electromagnetic Waves. Selected Papers of the USNC/URSI Annual Meeting, Boulder, Colorado, 1975. Rockville, MD, Food and Drug Administration, 1976, pp. 201-214.
MF51.524.015.0018 Report No. 3.

1975

The following reports were received after publication of the Summaries.

84. Biaselle, C.J. and A.B. Gustafson. "Determination of 11-hydroxycorticosteroid in human urine." NMRI Report December 1975.
MF51.524.023.1007 Report No. 1. AD A028 212
85. Biaselle, C.J. and A.B. Gustafson. "Procedures for determination of norepinephrine, epinephrine, and dopamine in biological specimens." NMRI Report December 1975.
MF51.524.023.1007 Report No. 2. AD A028 419

The following reports should be deleted from the Summaries. No. 43 is an abstract and the others have not appeared in print.

40. Minard, P. and K.D. Murrell. "Penetration enzymes of *Schistosoma mansoni* cercariae." In Proceedings of the 1st International Conference on Schistosomiasis, 1975. Cairo, 1975. pp. 175-177.
MR041.05.01.0033 Report No. 6.
41. Murrell, K.D. "Experimental vaccines and schistosomiasis." In Proceedings of the 1st International Conference on Schistosomiasis, 1975. Cairo, 1975. pp. 156-159.
MR041.05.01.0023 Report No. 6.
43. Murrell, K.D., W.E. Vannier, R. Hussain, and R. Chestnut. "The role of reagins in the antibody-mediated protective response to *Schistosoma mansoni* infection." In Proceedings of the U.S.-Japan Cooperative Medical Science Program, 10th Joint Conference on Parasitic Diseases, 1975. Bethesda, 1975. pp. 97-99..
MR041.05.01.0033 Report No. 4.
54. Schinski, V.D., W.G. Clutter, and K.D. Murrell. "Labeled antiglobulin assays for the study of schistosome antigens and human immune responses." In Proceedings of the 1st International Conference on Schistosomiasis, 1975. Cairo, 1975. pp. 169-171.
MF51.524.009.0066 Report No. 1.
68. Vannier, W.E., R. Hussain, and K.D. Murrell. "Schistosome allergens." In Proceedings of the 1st International Conference on Schistosomiasis, 1975. Cairo, 1975. pp. 171-173.
MR041.05.01.0033 Report No. 5.